

ABSTRACT

An electrostimulating device is provided, wherein one of the stimulating electrodes may be mobile and external to the casing. The mobile electrode is tethered to the device with an insulated conducting cable and is operative to increase the distance between the stimulating electrodes, so as to stimulate a greater volume of cells. Furthermore, an impedance modulator may be provided within the device, to sense the natural motor activity of the gastrointestinal tract by impedance variations and to modulate the electrostimulation, responsive to the impedance variations. Additionally, a galvanic cell may be provided within the device, using the natural gastrointestinal-tract fluid as a liquid medium, thus providing power for the device.